

FIG. 1

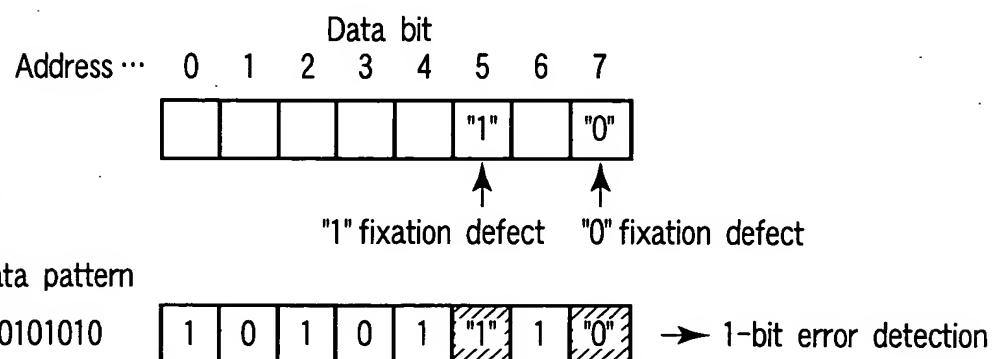


FIG. 2A

FIG. 2B

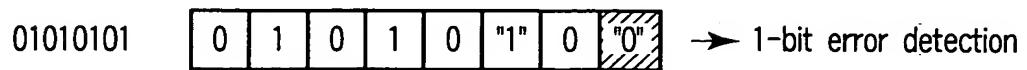
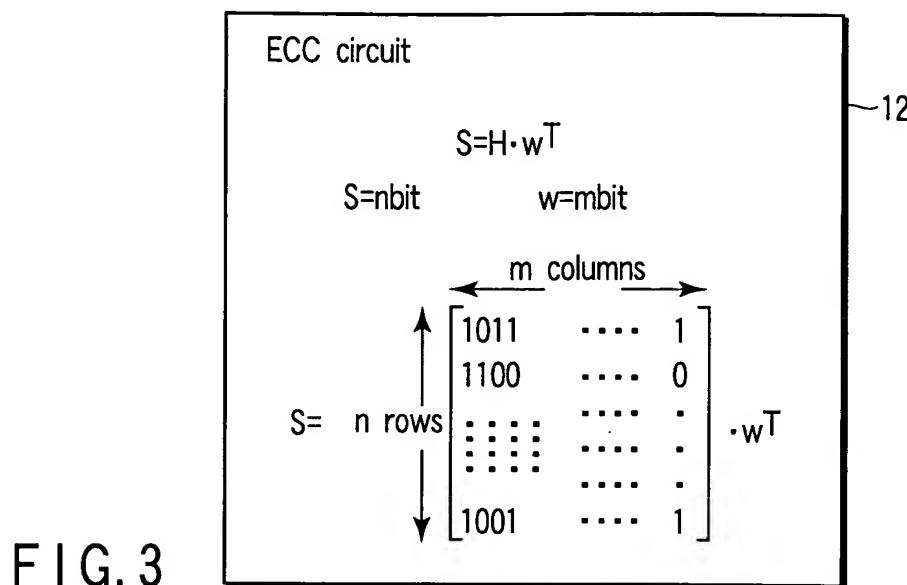


FIG. 2C



Hamming matrix : $H(n \times m) = (8 \times 5)$

$$1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8$$

$$\begin{bmatrix} 0 & 1 & 0 & 1 & 1 & 0 & 1 & 1 \\ 1 & 0 & 0 & 1 & 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 \\ 0 & 1 & 1 & 1 & 0 & 1 & 1 & 0 \end{bmatrix}$$

FIG. 4

	Data input : w	Code output : S	
State 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0	← ALL "0"
State 2	0 0 0 0 0 0 1 1	0 1 1 1 1	
	0 0 0 0 1 1 1 1	1 0 0 1 0	
	0 0 1 1 1 1 1 1	0 1 1 0 0	
	0 1 1 1 1 1 1 1	1 1 1 1 1	← ALL "1"
	0 1 1 1 1 1 0 0	1 0 0 0 0	
	0 1 1 1 0 0 0 0	0 1 1 0 1	
	0 1 0 0 0 0 0 0	1 0 0 1 1	
	0 0 0 0 0 0 0 0	0 0 0 0 0	
State 1 →	0 1 0 1 0 1 0 1	1 1 0 1 1	
State 2 →	0 1 0 1 0 1 1 0	1 0 1 0 0	
	0 1 0 1 1 0 1 0	0 1 0 0 1	
	0 1 1 0 1 0 1 0	1 0 1 1 1	
	1 0 1 0 1 0 1 0	0 1 0 1 0	
	1 0 1 0 1 0 0 1	0 0 1 0 1	
	1 0 1 0 0 1 0 1	1 1 0 0 0	
	1 0 0 1 0 1 0 1	0 0 1 1 0	
	0 1 0 1 0 1 0 1	1 1 0 1 1	

FIG. 5

↑ 50 ↑ 51

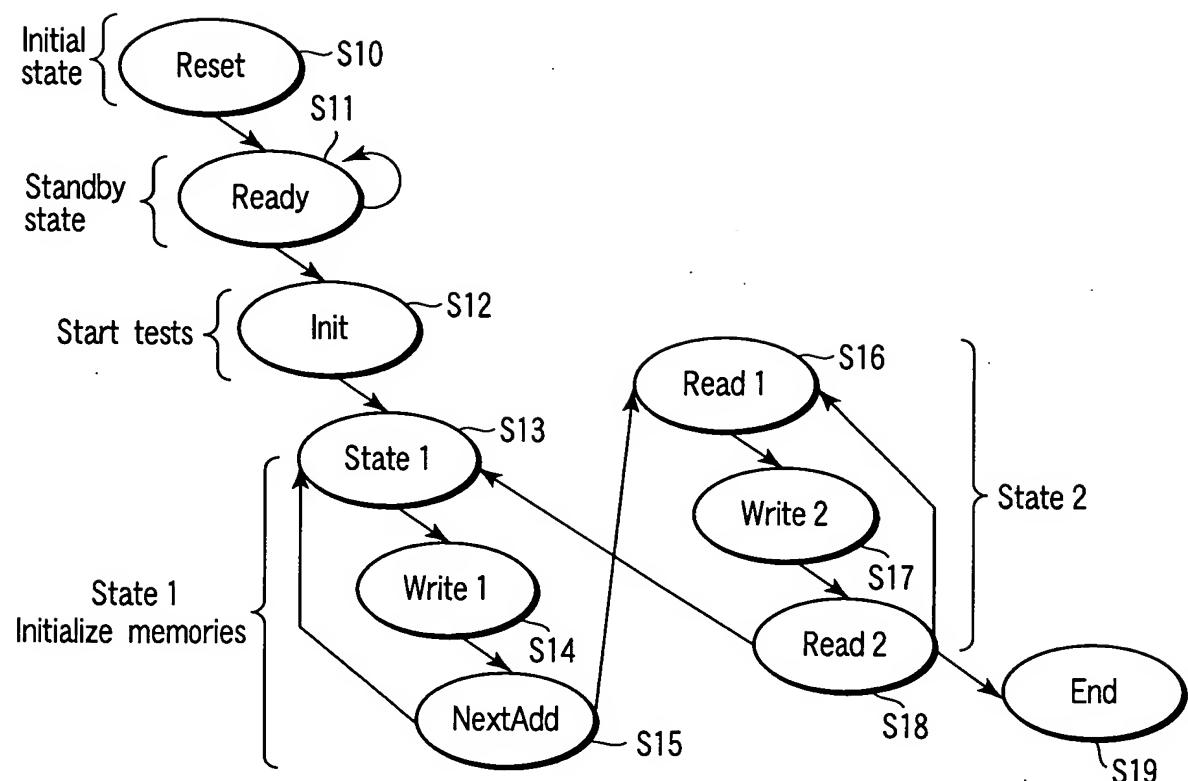


FIG. 6